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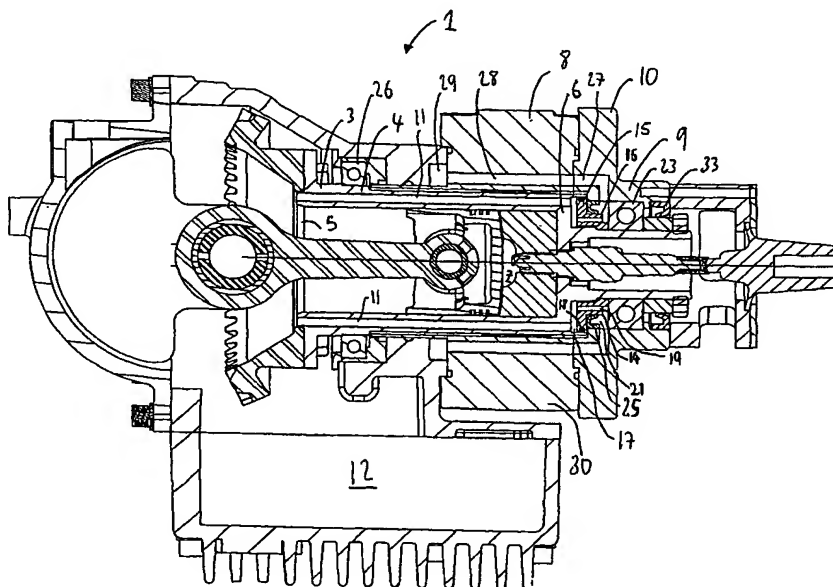
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(54) Title: **COOLING MECHANISMS FOR ROTARY VALVE CYLINDER ENGINES**



(57) Abstract: A cooling mechanism for a rotary valve cylinder engine (1) comprising a rotary valve cylinder (3) rotatably mounted within an outer cylindrical valve element (8), the rotary valve cylinder (3) and the outer cylindrical valve element (8) each being formed with a respective valve port (51, 71, 81), the rotary valve cylinder (3) being rotatable relative to the outer cylindrical valve element (8) to a position in which the ports (51, 71, 81) are aligned, the cooling mechanism comprising fluid passages (11, 28) formed in the rotary valve cylinder (3) and the outer cylindrical valve element (8) through which, in use, cooling oil flows.



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